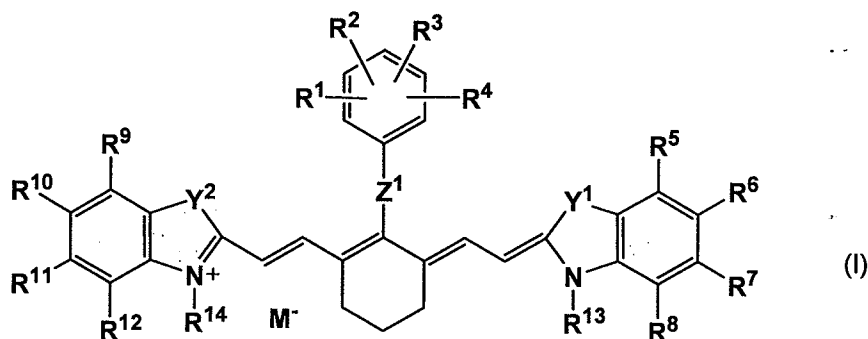


# ABSTRACT

A fluorescent probe which specifically and efficiently traps nitrogen monoxide, zinc ion etc. to emit fluorescence is provided.

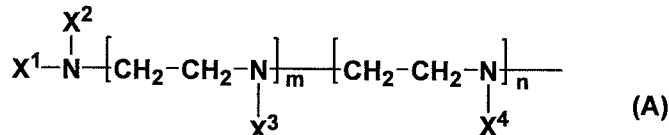
A compound represented by the following general formula (I):

[Formula 1]



[wherein R<sup>1</sup> and R<sup>2</sup> represent hydrogen atom, or a group represented by the following formula (A):

[Formula 2]



(wherein X<sup>1</sup> to X<sup>4</sup> represent hydrogen atom, an alkyl group, or a protective group for amino group, and m and n represent 0 or 1); R<sup>3</sup> and R<sup>4</sup> represent hydrogen atom, a C<sub>1-6</sub> alkyl group, or a C<sub>1-6</sub> alkoxy group; R<sup>5</sup> to R<sup>12</sup> represent hydrogen atom, sulfo group, phospho group, a halogen atom, or a C<sub>1-6</sub> alkyl group; R<sup>13</sup> and R<sup>14</sup> represent a C<sub>1-18</sub> alkyl group; Z<sup>1</sup> represents oxygen atom, sulfur atom, or -N(R<sup>15</sup>)- (wherein R<sup>15</sup> represents hydrogen atom, or a C<sub>1-6</sub> alkyl group); Y<sup>1</sup> and Y<sup>2</sup> represent -C(=O)-, -C(=S)-, or -C(R<sup>16</sup>)(R<sup>17</sup>) (wherein R<sup>16</sup> and R<sup>17</sup> represent a C<sub>1-6</sub> alkyl group); and M<sup>-</sup> represents a counter ion in a number required for neutralizing the charge].